

Committed to a fair and equitable property tax system for Hoosier taxpayers.

Low-End/High-End Residential Property Assessment

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Today's Agenda

- Overview
 - Identifying High-End and Low-End Residential Properties
 - Assessment Issues
- Assessment Strategies
 - Sales Validation
 - Foreclosures
 - Re-sales
 - Outlier Identification
 - Calculating Local Adjustment Factors
 - Construction Quality Factor (Grade)
 - Depreciation Schedule



Low-End Residential Property

- Normally considered of low value
- Often in poor or distressed location
 - Economically poor
 - Contaminated or otherwise undesirable
- Often in poor condition
 - Curable/incurable deterioration
 - Highest and Best Use may be as vacant
- Opinions may vary. . .
 - ...but "you know it when you see it."



Grade D Dwelling from 2011 Real Property Guidelines





Grade E Dwelling from 2011 Real Property Guidelines



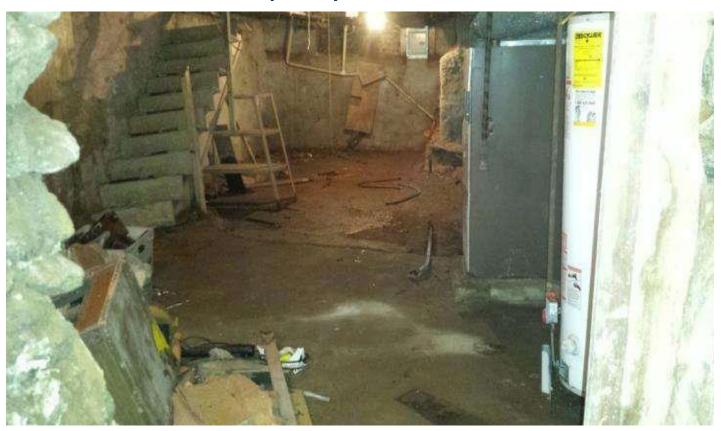


Low End Property with Curable Deferred Maintenance





Interior of Low End Property with Incurable Deterioration





Interior of Low End Property with Incurable Functional Obsolescence





Assessment Issues with Low-End Property

- Cost approach difficult to implement
 - Physical Deterioration
 - Curable (Deferred Maintenance): Must estimate cost to cure.
 - Incurable: Cost to cure greater than economic benefit.
 - Functional obsolescence
 - Incurable: Property has no bedroom.
 - Curable: Property has no air conditioning.
 - External (Economic) Obsolescence
 - Ex. Property situated next to sawmill.
 - Usually incurable.
- Estimating these value components can be difficult.



Assessment Issues with Low-End Property

- Highest and Best Use may be as vacant
 - Incurable defects
 - Changing market
 - Sale price may reflect this. . .
 - ...but Indiana requires assessment at Market Value-In-Use.
- Sales often have special circumstances
 - Foreclosure
 - Remodel and Resell ("Flipping")
 - Institutional buyers/sellers
- Both of these create challenges for sales validation.



High-End Residential Property

- Normally considered unique, unusual, or extraordinary for local market.
- Often in very good location.
- Opinions may vary. . .
 . . .but (as with low-end property), "you know it when you see it."



Grade AA dwelling from 2011 Real Property Guidelines





Grade AA dwelling from 2011 Real Property Guidelines





A high-end residential property in Calabasas, CA. . .



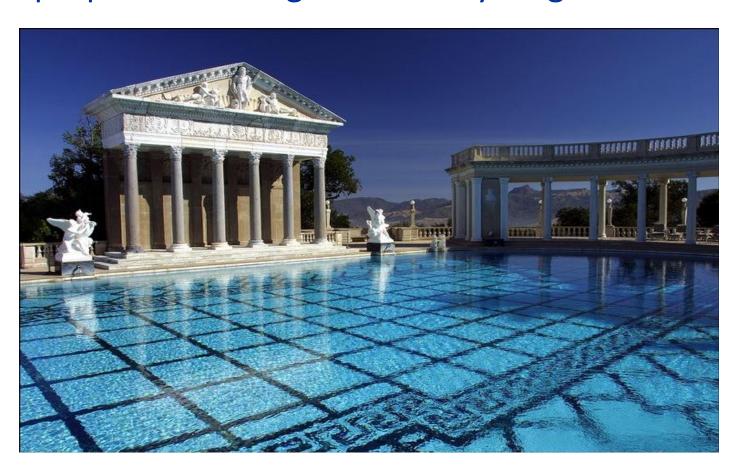


...belonging to a well-known entertainer.

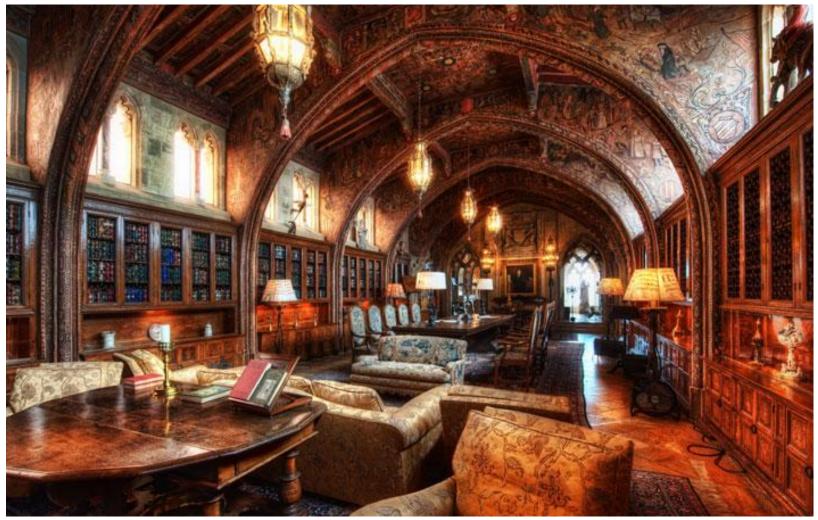




Some properties are high-end in any neighborhood. . .













. . . while others are high-end relative to their neighborhood.





Assessment Issues with High-End Property

- Property often tailored to owner's taste:
 - May be overbuilt for market.
 - May have significant functional obsolescence due to unique design choices.
- Cost schedules based on typical properties.
 - Grade adjustment may not be accurate for local conditions.
 - May depreciate differently than typical properties:
 - Unique design elements.
 - Continuous maintenance.



Assessment Issues with High-End Property

- Highest and best use may be as vacant if:
 - Location is excellent.
 - Supply of land is scarce.
 - Potential buyer likely to demolish and rebuild.
- Sale prices may reflect this. . .
 - . . .but Indiana requires assessment at Market Value-In-Use.



Assessment Strategies

- Sales Validation
 - Selecting valid sales
 - Handling foreclosures
 - Handling remodel and resales ("flips")
- Outlier ID and Trimming
 - Identification
 - Causes and Solutions
 - Reporting to Department
- Local Adjustment Schedules
 - Adjusting Grade for Local Markets
 - Adjusting Depreciation for Local Markets



Sales Validation

- Sales validation can identify special circumstances:
 - Low-end properties
 - Foreclosure
 - Remodel and Resale ("Flipping")
 - Material damage
 - Otherwise distressed
 - High-end properties
 - Additional improvements
 - Interior construction quality
 - Personal property
- Proper validation can tell you:
 - Is sale representative of market?
 - If so, what market?



Sales Validation

- Requirements for all sales
 - Valuable consideration
 - Almost always money
 - Excludes transfers solely for legal purposes
 - Arm's length transaction
 - Competitive, open market
 - Willing buyer and seller
 - No coercion or duress
- Sale price should indicate market value
 - Judgment call
 - We'll discuss what to do when it doesn't



Type of Unsuitable Sales

- Buyer/seller relationship
- Multi-parcel sales
- Non-warranty deeds
- Special circumstances:
 - Partial interest
 - Land contract
 - Atypical financing



Foreclosure Sales

- Low-End properties may be in foreclosure.
- Foreclosure defined:
 - "A legal proceeding to terminate a mortgagor's interest in property, instituted by the lender (the mortgagee) either to gain title or to force a sale in order to satisfy the unpaid debt secured by the property (IAAO 2009)."
- Key questions to ask:
 - Is the sale price typical of other properties?
 - Are there a large number of these sales relative to other sales in the area?



Foreclosure Sales

- The Indiana foreclosure process:
 - Borrower fails to make required mortgage payments.
 - Bank places borrower in default.
 - Property is legally transferred to bank (foreclosure).
 - Bank resells property with realtor or at auction.
- Property can be sold during any one of these steps:
 - Pre-foreclosure sale
 - Foreclosure sale
 - Post-foreclosure sale



Pre-Foreclosure Sales

- Pre-foreclosure sales: Made by property owner in default to avoid foreclosure.
 - Regular third-party sale
 - Sale by owner to third-party for amount owed or more.
 - Short sale
 - Sales by owner to third party for less than amount owed
 - Requires bank approval.
- In both cases:
 - Seller is pressured by threat of foreclosure.
 - Buyer often has bargaining power not typical of market.



Foreclosure Transfers

- Foreclosure transfer
 - Legal transfer of deed from owner to bank to avoid foreclosure.
 - Sale price will be outstanding loan amount.
 - Requires sales disclosure, but NOT a sale.
- Deed in lieu
 - Surrender of deed from owner to bank to avoid foreclosure.
 - Essentially a foreclosure.
- These are not valid sales
 - Sale is under duress.
 - Sale price based solely on outstanding loan amount.



Post-Foreclosure Sales

- Sheriff's Sales
 - Sale by county sheriff of foreclosed property at public auction.
 - Bank always bids minimum to protect investment.
 - May sell to bank or third-party.
- Guidelines for validation
 - If sold to bank, don't use.
 - If sold to third-party, treat as normal sale at auction.
 - Auction well-advertised and attended.
 - Only use if sale price is comparable to other properties.



Post-Foreclosure Sales

- Resales
 - Sale of foreclosed property purchased at auction.
 - May be sold by bank or by third-party.
 - May sell several properties as lots or at auction.
- Guidelines for Validation
 - Sales of lots / auctions are invalid.
 - Other sales by bank should only be used if sale price is comparable.
 - Other sales by third-party may be used if otherwise arm's length transaction.



Remodel and Resell

- Low-End properties may be bought, remodeled, and resold for profit ("flipping").
- Two questions:
 - Should flipped properties be used to set values?
 - How should parcel characteristics be updated?
- Setting values:
 - Only use second sale (the "flip").
 - Validate sales conditions like any other sale.
 - May exclude if evidence of mortgage fraud, or other unusual circumstances.



Remodel and Resell

- Update new construction
- Updating effective age
 - OK if effective age is substantially different than actual age.
 - Use standardized method.
 - Preferable than updating condition on older properties.
- Updating grades
 - Uniformly: Properties with similar remodeling should have same grade.
 - Use standardized method and document updates.
 - Develop criteria for each grade.
 - Example: "In neighborhood ABC, 7 parcels were remodeled and then resold. Each parcel has new plumbing fixtures, carpet, kitchen cabinets, and interior paint. Because of this, the grade on each parcel was updated from C to C+1."

Outliers

- "Observations that have unusual values, that is, they differ markedly from a measure of central tendency."*
- Example Sales Ratio Outliers:
 - 0.30 Much less than median
 - 0.82
 - 0.95 Median ratio
 - 1.03
 - 2.15 Much more than median
- Found with both High and Low End Properties
 - High-end properties are often unusual, and attract affluent buyers.
 - Low-end properties may be distressed, and attract speculators (flippers) and mortgage fraud.

Outliers

- Outliers may indicate
 - Data errors
 - Unknown/unusual circumstances
- Examples:
 - 1,500 SF ranch sells for \$100,000; square footage listed as 150 SF.
 - Data error leads to very low AV.
 - Ratio will be much lower than others.
 - Same property sells for \$10,000; sale from father to son (this is not known).
 - Unknown circumstances leads to very low sale price.
 - Ratio will be much higher than others.



- Ex. 3: Same property sells for \$300,000; looks just like any other valid sale.
 - Unusual circumstances might have caused buyer to overpay:
 - Buyer is so rich, he doesn't care what he pays.
 - Seller and buyer are trying to commit fraud.
 - Sunspots, Friday the 13, ?????
 - Ratio is much lower than others.
- In all 3 cases, you will have a ratio that is much lower or much higher than the median ratio.
 - Can shift median, leading to inaccurate trending.
 - Can make COD/PRD out of tolerance.
- In these cases, you can identify outliers and exclude them from the ratio study.



Outlier Identification

- Outlier identification:
 - Common sense.
 - Statistical methods.
- Common sense
 - Review ratios between 0.25 and 2.0.
 - Often caused by data errors or invalid sale.
- Statistical methods
 - Appendix B of 2007 *IAAO Standard on Ratio Studies*.
 - Other methods supported by sound evidence.
 - May NOT just exclude "too high" or "too low" ratios.



Outlier Identification

- Appendix B method
 - Array ratios from low to high
 - Calculate first quartile (1Q) and third quartile (3Q)
 - 1Q: Ratio halfway between smallest ratio and median
 - 3Q: Ratio halfway between median and largest ratio
 - Subtract 3Q 1Q to get interquartile range (IQR)
 - Establish lower and upper boundaries*:
 - Lower boundary: 1Q 1.5 * IQR
 - Upper boundary: 3Q + 1.5 * IQR
- Described in attached handout
- Easiest to do in Excel
- * May also use 1.5 * IQR if ratios are clustered near median.



Outlier Reporting

- Handling Outliers
 - Check for data error
 - Try to confirm cause
 - If cannot confirm, ok to exclude
- Reporting Outliers
 - All excluded outliers must be reported
 - Easiest to include worksheet with ratio study
 - Sale information
 - Sales ratio
 - Calculation details



Local Grade Analysis

- Existing grade schedule (Schedule F) may not accurately estimate Low-End and High-End properties for your county.
- You can develop a local grade schedule for your county based on builder cost or sales data.
 - Calculate local costs for different grade properties.
 - Compare to Department costs.
 - Adjust as necessary.



Local Grade Analysis

- Sales data can be used if builder cost data is not available.
 - Select typical sales for each grade.
 - Subtract land value from sale price.
 - Divide result by square footage to get SF rate for each grade.
 - Compare average SF rates with one another and with Department costs.



Local Depreciation Analysis

- Low-end and high-end properties may also depreciate differently than typical properties.
 - Atypical maintenance
 - Low-end: deferred maintenance
 - High-end: "pro-active" maintenance
 - Buyers less concerned about depreciation
 - Low-end: "Flippers" will remodel property anyway.
 - High-end
 - Cost to remedy less a concern.
 - May plan to customize property.
- Customized depreciation schedules may help capture these differences.



Calculating Depreciation in Excel

- Select typical sales.
- Subtract land value from sale price.
- Divide result by Replacement Cost New (RCN) to get Percent Good.
- Depreciation = 1 Percent Good.
- Plot Age vs. Depreciation in Excel.



Calculating Depreciation in Excel

- Insert scatter plot of Age vs. Depreciation.
 - Insert | Scatter
- Add trend line
 - Right-click on plot, then select Add Trendline.
 - Check Display Equation on Chart.
- Use equation to calculate deprecation schedule.
- Caution: Be sure straight line fits data well.
 - Look at plot: does it seem to fit?
 - R2 > 0.6 (higher is better).



Notes on Calculating Depreciation

- Requires accurate sales validation.
- Requires accurate land values.
 - Check land-to-building ratio.
- Use Average condition and typical grade property.
- Check if stratification has impact.
 - One story vs. two story
 - Frame vs. brick



Questions?



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